

HERE AND THERE

Mamba Fuel Consumption

IT is learned that the specific consumption of the Mamba has been improved as a result of development work, and that at the maximum continuous cruising rating, engine speed 14,000 r.p.m., the figure is now 0.785 lb/b.h.p./hr, or, taking into consideration the 330 lb residual thrust, 0.716 lb/equiv. s.h.p./hr.

Mach-Meter Reading

ATTAINMENT of Mach 1.04 is mentioned by Kelvin-Kollsman, makers of the Mach-meter fitted to the D.H. 108 during its recent supersonic flight reported in *Flight*, September 16th. This represents a speed of approximately 700 m.p.h. at a height range of 30,000-40,000 ft. The D.H. 108 also carried Kelvin-Kollsman sensitive altimeter and A.S.I.

Speed Record Broken

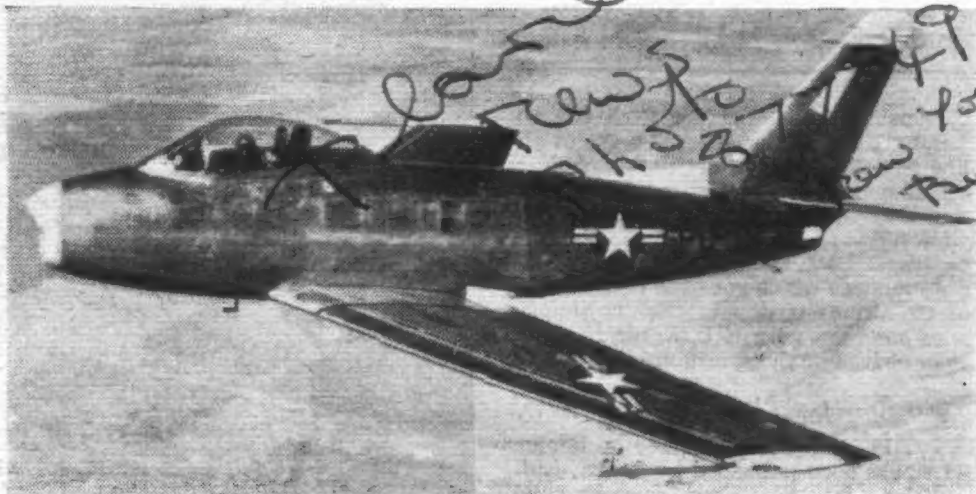
FOLLOWING recent attempts on the world's speed record which were not satisfactorily recorded by the timing apparatus, Maj. R. Johnson has now been successful in setting up a new record. Flying a normally armed and equipped F-86 fighter, a photograph of which appears on this page, Maj. Johnson's average speed of four runs was 670.981 m.p.h.

New Americans

THE following American military aircraft are announced: McDonnell XF-88 "penetration" twin-jet fighter; Northrop XF-89 twin-jet all-weather fighter; Lockheed XF-90 supersonic twin-jet fighter with auxiliary rockets; Republic XF-91 and Convair XF-92 supersonic jet-plus-rocket interceptors; Boeing XB-52 heavy bomber with turboprops. The Northrop X-4 is a new research aircraft.

Recognition Society Meeting

GEOFFREY DORMAN, A.R.Ae.S., was the guest speaker at the opening meeting, for the winter season, of the Aircraft Recognition Society held in the



FASTEST FIGHTER: As recorded on this page, a North American F-86 jet fighter has established—subject to F.A.I. confirmation—a new world's speed record of 670.981 m.p.h. The F-86 is in full quantity production for the U.S. Air Force.

library of the R.Ae.S. on September 15th. His subject was early aircraft and 30 slides of aircraft of the 1908-14 period illustrated the lecture. The first of these was of Mr. J. T. C. Moore-Brabazon (now Lord Brabazon) flying a Voisin biplane in France in 1908; this picture was published as the frontispiece of the first issue of *Flight* in January, 1909.

Apprentice Scholarship Award

ONE of the university scholarships awarded by the S.B.A.C. to outstanding apprentices in the aircraft industry has been won by A. H. Eldridge, of Woodford, Manchester. This scholarship, valued at £250 p.a., is tenable for two years at the College of Aeronautics. During the war Eldridge worked for A. V. Roe, Ltd., on Lancasters at Woodford, and has served in most of the departments of the Woodford and Chadderton factories. He is now in the Aerodynamics department, Chadderton.



Mr. A. H. Eldridge.

Prentice trainers to the Argentine, and de Havillands, who have received a third substantial order for Vampires for Sweden. As announced in *Flight*, September 16th, B.S.A.A. have placed an order for three Short Sealands for the use of British West Indian Airways in the Caribbean.

Fairey Celebration

TO mark the completion of the thousandth Fairey Firefly this machine was demonstrated over the company's Hayes factory at noon on September 20th and each employee was given a free glass of beer by the management.

Shell-Mex Appointments

MR. CECIL FIELD aviation manager of Shell-Mex and B.P., Ltd., has been appointed general sales manager of the company from October 1st. He is being succeeded as aviation manager by Mr. J. C. C. Taylor.

R.Ae.S. Examinations

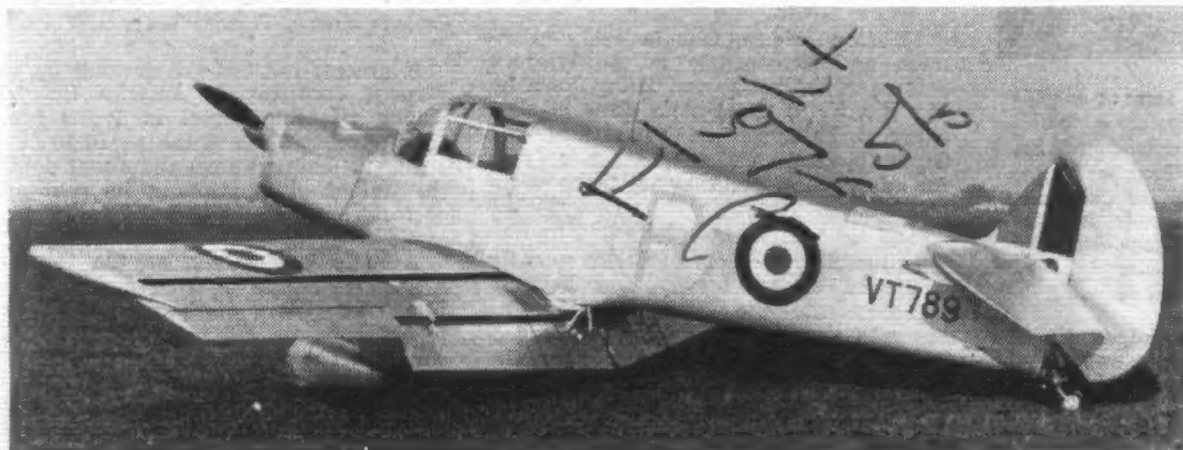
ENTRIES for the next Associate Fellowship Examination of the Royal Aeronautical Society, which will be held in the middle of December, 1948, should reach the Secretary by September 30th. A new syllabus comes into force on January 1st, 1949.

Refreshments at Schiphol

WHAT is claimed to be the largest airport restaurant in Europe has been completed at Schiphol, Amsterdam, the home base of K.L.M. On the first floor, seating accommodation is for 250

Export Orders Follow S.B.A.C. Show

DURING the S.B.A.C. display at Farnborough three companies announced that orders, some for export, had been obtained for their aircraft. They are: Percivals, who are to supply



HALF CHORD AND FULL SPAN: Delivered to the R.A.E. earlier in the year, this Youngman-Baynes high-lift research machine was built for the M.O.S. by the Heston Aircraft Company. Its power-operated, full-span slotted main flaps with semi-span rear flaps are the work of Mr. L. E. Baynes. The engine is a Gipsy Queen 32, and the Percival-like appearance forward results from the use of Proctor screens and door. Two seats are provided.